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FIG. 1

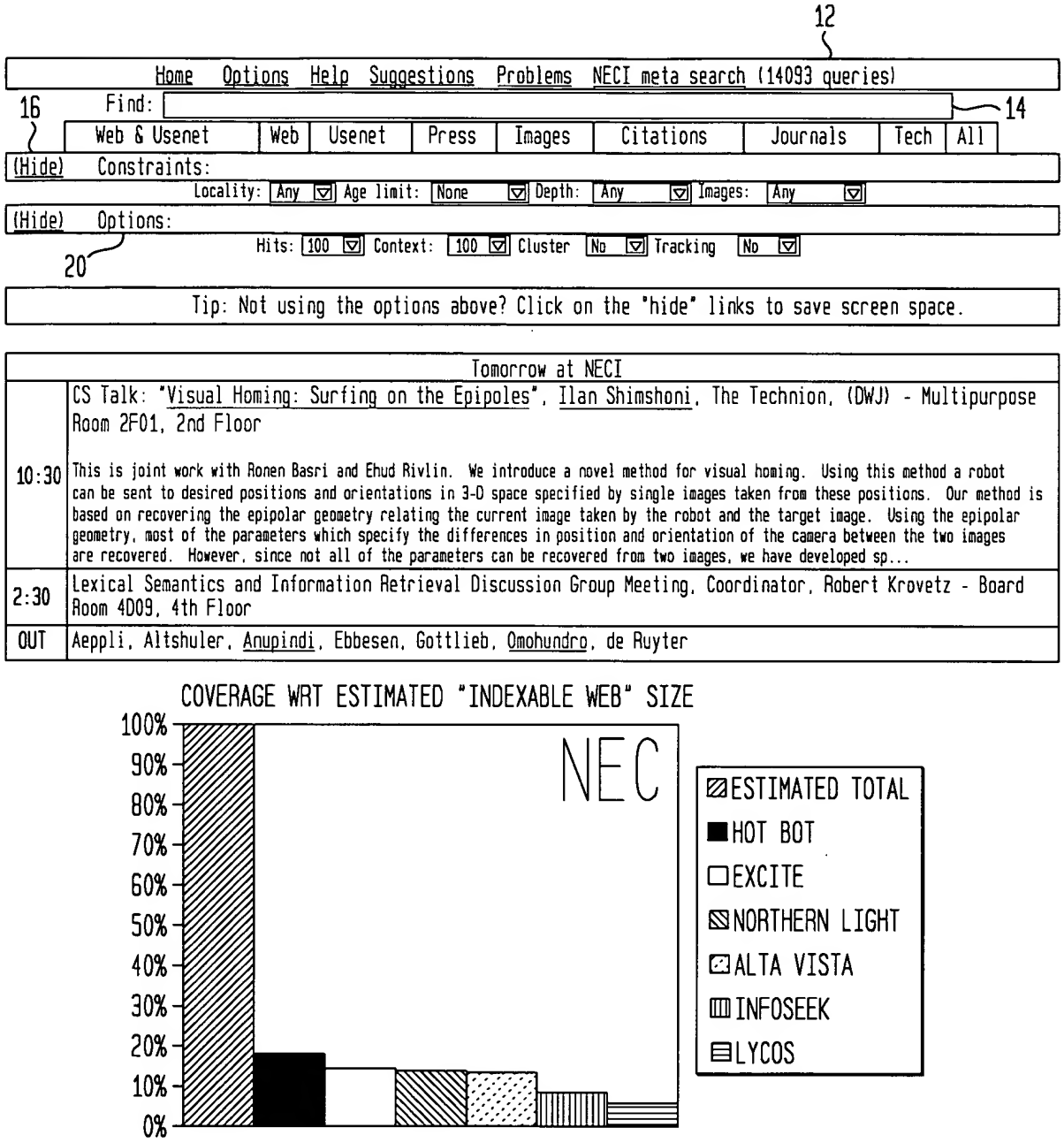

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FIG. 2

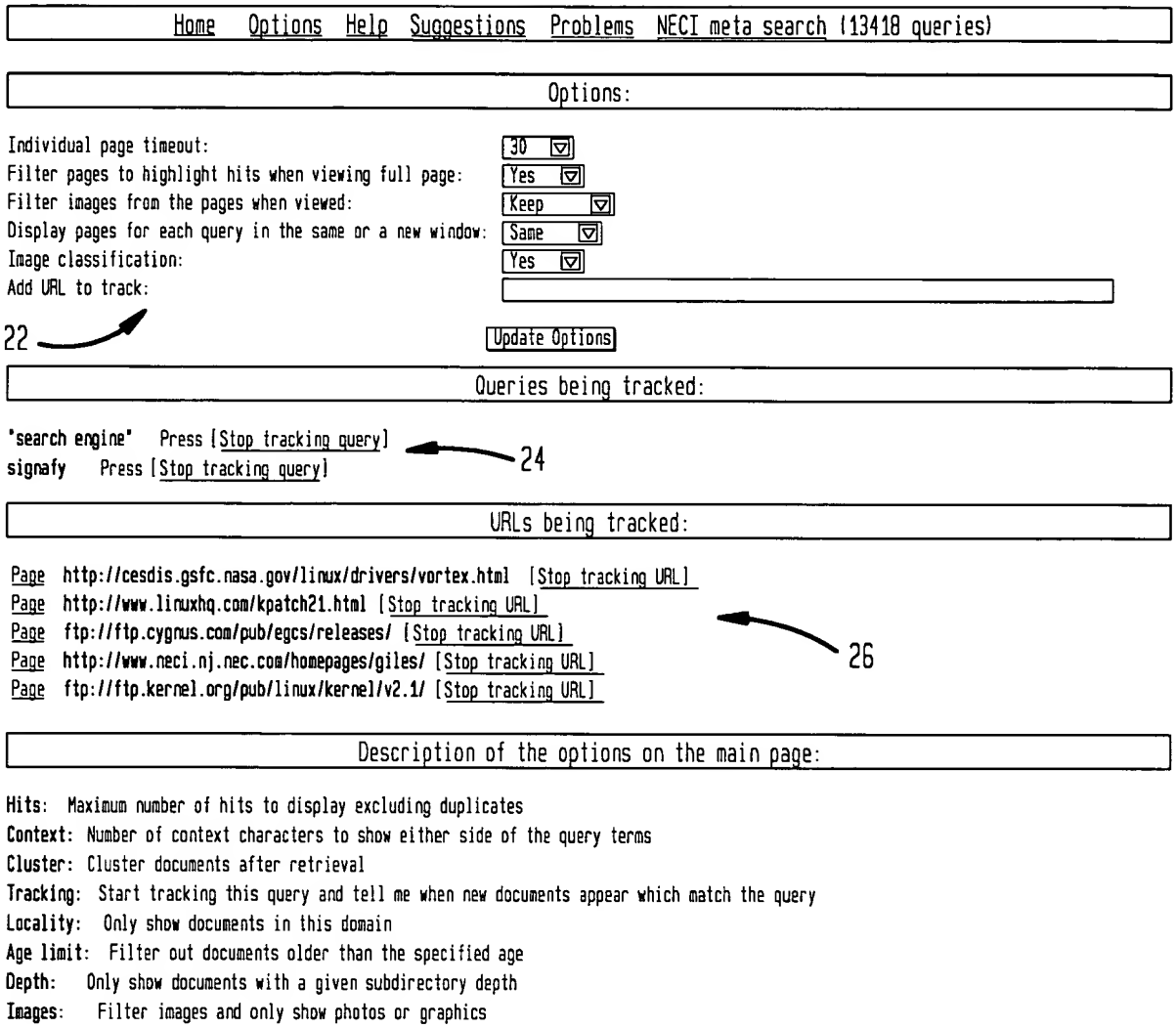

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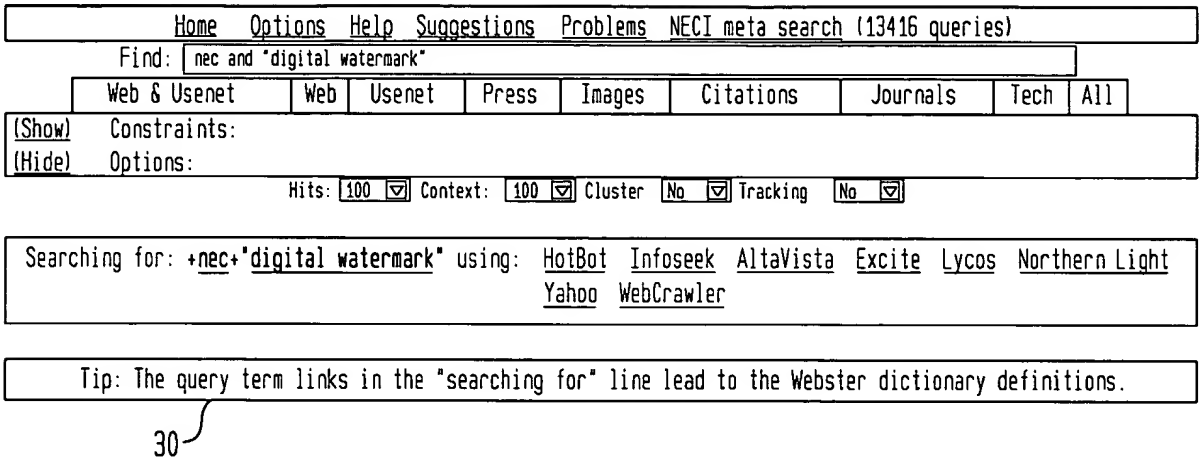
FIG. 3



Ingemar Cox Home Page I 1m 13k http://www.neci.nj.nec.com/homepages/ingemar/ingemar.html
...http://www.neci.nj.nec.com/homepages/ingemar/ingemar.html.../...ar Cox Home Page Ingemar J. Cox Sr. Research Scientist, Computer Vision, NEC Research Institute My most recent work has focused on the development of statistical framewor.../...r investigation include face recognition, and stereo correspondence problems. Address NEC Research Institute 4 Independence Way Princeton, NJ 08540, USA Office: 609-951-2722 Fax.../...My most recent work has focused on the development of statistical frameworks for motion analysis, **digital watermarking** and content-based image database retrieval. Other projects currently under investigation includ...

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NECI Technical Report 95-10 I 1y 2k http://www.neci.nj.nec.com/tr/neci-abstract-95-10.html
...*NECI* Technical Report 95-10... ...http://www.neci.nj.nec.com/tr/neci-abstract-95-10.html.../...NECI Technical Report 95-10 NECI Technical Report 95-10 NEC Research Institute, 4 Indepe.../...Ingemar J. Cox, Joe Kilian, Tom Leighton, and Talal Shamoon. December 4, 1995. We describe a **digital watermarking** method for use in audio, image, video and multimedia data. We argue that a watermark must be p.../...n, including dithering and recompression and rotation, translation, cropping and scaling. The same **digital watermarking** algorithm can be applied to all three media under consideration with only minor modifications. ...

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Mass High Tech I n/a 4k http://boston.com/mht/issue/w81296/index.html
...sites Netscape Bonds With Apple, Netscan Netscape Bonds With Apple JEM and NEC to its online factory outlet Local science teachers Access Excellence A digitized play.../...Lead Stories August 12-17, 1996 This Week In Mass High Tech ARIS says it's on key with **digital watermark** is right on tune Info highway rest stops CAT's meow of Web sites Netscape Bond...

BU CAS SC 585: Image and Video Computing -- Syllabus I n/a 6k
http://www.cs.bu.edu/faculty/sclaroff/courses/cs585/syllabus.html
...Cox, J. Killian, T. Leighton, and T. Shamoon, Secure Spread Spectrum Watermarking for Multimedia, NEC Research Institute Technical Report 95-10. M. Kass, A. Witkin, and D. Terzopoulos, Snakes: Acti.../...ions [1,2] Oct T 1 Edge detection C5 P1 due, P2 out R 3 **Digital watermark**, steganography [3] T 8 Edges, contours C6 R 10 Curve matchin...

SMH COMPUTERS February 20 1996: Mark to foil Net pirates H n/a 2k
http://www.smh.com.au/computers/content/960220/news6-960220.html
...6 : Mark to foil Net pirates Week of February 20, 1996 Mark to foil Net pirates NEC researchers in the US have developed a "digital watermark" that can be attached to a multimedia info.../...ing its owner beyond doubt in the case of a copyright dispute. Embedded in the data itself, NEC says it is "a mathematically derived code included in the frequency signals of the information sen.../...re multimedia information of dubious ownership is proliferating. The code is invisible to users and NEC is confident it cannot be found and stripped out by multimedia pirates. It is embedded in ../.. February 20, 1996 Mark to foil Net pirates NEC researchers in the US have developed a "**digital watermark**" that can be attached to multimedia information, identifying its owner beyond doubt in the case of...

[...section deleted...]

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FIG. 4

Ranked pages (first 20):

R1 299.974 [redacted] NEWSbytes A ly 36k http://nccr.monitor.ca/montior/issues/vol3iss7/newsbytes.html
...torola licenses Apple OS Apple CEO reveals new strategy Chess: Kasparov beats Deep Blue NEC 'Digital Watermark' technology Week of February 12 - February 16 / 1996 New Fax stand.../...-around won't come cheap ENIAC to run on 50th anniversary Mitel demos USB phone-computer connection Previous Page / Next Page Week of March 4 - March 8/.../...ely, and productively. The products offered by the Small Business Unit will reportedly let users connect to the Internet as well as create corporate intranets to link the businesses with their customers.../...a licenses Apple OS Apple CEO reveals new strategy Chess: Kasparov beats Deep Blue NEC 'Digital Watermark' technology Week of February 12 - February 16 / 1996 New Fax standard to incorporate... /...he third and fourth were draws, and Kasparov won the last two games. Back to top NEC 'Digital Watermark' technology [February 20/96] NEC Corporation has developed technology that will digitally mark.../...eo, and multimedia data as well as text and images. Unlike conventional encryption systems, the digital watermark stays embedded in the data and remains unaffected by digital-analogue conversions.image scaling o...

R2 299.931 [redacted] tigermarktwo.html A 7m 4k http://intermedia-design.com/tigermarktwo.html
...tigermarktwo.html NEC TigerMark DataBlade Module for Images From Informix and NEC What is Watermarking?.../... NEC TigerMark DataBlade Module for Images From Informix and NEC What is Watermarking? With the advent of digital communication, including the I.../...ng the Internet, make it easy to transmit and redistribute perfect copies of digital data. Now with NEC is TigerMark technology, you can custom watermark your images permanently and securely, without de.../...es permanently and securely, without degrading the quality of the content. NEC has developed a digital watermarking technology that solves this problem for today is content providers. NEC is TigerMark is a digit.../...erever your content goes, your watermark goes, too. NEC provides a powerful tool Digital watermark NEChas developed a digital Watermarking technology that meets the needs of today is busines.../...s, too. NEC provides a powerful tool digital watermark NEC has developed a digital Watermarking technology that meets the needs of today is business environment. NEC is digital watermark Tige...

R3 299.89 [redacted] Focus on Internet H 1m 9k http://www.esi.es/Information/SWT/R_D/I196/four.html
...ERNET NEWS 24 HOURS IN CYBERSPACE PARTS OF INTERNET GO BLACK IN PROTEST OVER NEW LAW NEC DEVELOPS DIGITAL WATERMARK TECHNOLOGY INTERESTING SITES KFKI RESEARCH INSTITUTE FOR MEASUR.../...arian groups and individuals. Sunday February 11 This is an excerpt Source: Reuters NEC DEVELOPS DIGITAL WATERMARK TECHNOLOGY PRINCETON, N.J.- NEC says scientists at its NEC Research .../...an excerpt Source: Reuters NEC DEVELOPS DIGITAL WATERMARK TECHNOLOGY PRINCETON, N.J.- NEC says scientists at its NEC Research Institute have developed a digital watermarking method for use.../...WS 24 HOURS IN CYBERSPACE PARTS OF INTERNET GO BLACK IN PROTEST OVER NEW LAW NEC DEVELOPS DIGITAL WATERMARK TECHNOLOGY INTERESTING SITES KFKI RESEARCH INSTITUTE FOR MEASUREMENT AND COMPUTING TECHNIQ.../...and individuals. Sunday February 11 This is an excerpt Source: Reuters NEC DEVELOPS DIGITAL WATERMARK TECHNOLOGY PRINCETON, N.J. - NEC says scientists at its NEC Research Institute have developed a .../...K TECHNOLOGY PRINCETON, N.J. - NEC says scientists at its NEC Research Institute have developed a digital watermarking method for use in protecting copyrighted audio, image, video and multimedia data. The company s...

[...section deleted...]

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FIG. 5

Only 1 search term was found in these documents:

1 ☐ ARIS Technologies' Homepage H 16d 2k http://www.musicode.com/welcome.html
...ARIS Technologies' Homepage ARIS Technologies is an industry leader in **digital watermarking**. We deal exclusively with protecting intellectual property such as audio, video, and multimedia...

1 ☐ Psych 267 Final Projects A n/a-8k http://white.standford.edu/~heeger/psych267/final.html
...nteractive lighting design. Proceedings Eurographics '95, p. 229-240, 1995 (preprint). **Digital watermark**. References: Cox, Kilian, Leighton and Shamoon, "A Secure, Imperceptible yet Perceptually sal.../..., IBM Tech. Report (preprint available). Further links to other papers and resources on **digital watermarks**. Face recognition with "eigenfaces". References: Turk and Pentland, "Face recognition u...

1 ☐ Digimarc receives funding of $4.5M. N n/a 6k http:..www.nlsearch.com/cgi-bin/pdserv.pl?cbrecid=YY19970425030163059&ho=typhoon&pa=5005
...Summary: First licensee is Adobe. Digimarc, the company that last year announced its Imagemarc **digital watermark** technology, seems to be ready to make its move in the market. ...

1 ☐ Newsbytes Daily Summary N **0d** 28k http://newsbytes.mpx.com.au/newsbytes/daily.html
...Lernout & Hauspie [NASDAQ:LHSPF] (L&H) of Burlington, Massachusetts, and Ieper, Belgium. CHIPS **NEC** Develops World's Smallest Transistor TOKYO, JAPAN, 1997 SEP 11 (NB) - By Martyn Williams. **NEC** Co.../...PS **NEC** Develops World's Smallest Transistor TOKYO, JAPAN, 1997 SEP 11 (NB) - By Martyn Williams. **NEC** Corporation [TOKYO:6701] says it has developed the world's smallest operational transistor, a me.../...te length of 14 nanometers (14 millionths of a millimeter). The achievement was reached as part of **NEC**'s development of a 10 terabit memory chip. Intel Advances Mobile PC Platform HONG KONG, CHINA...

1 ☐ A letter from the publisher TIME, December 6, 1971 L 1y 3k
http://electron.rutgers.edu/~myadav/war71/wall/dec6a.html
...tough warning to India. But the only evidence of war that night was the blackout which was quite unnecessary." From the correspondents' files, and from background research assembled by Reporter-Res...

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FIG. 6

No search terms were found in these documents:

0 Article Two H 1y 1k http://miavx1.muohio.edu/~whittijs/articletwo.html
Userdir rule failure The server was unable to resolve the requested / username reference, possible causes include: Username invalid Server is unable to determine username's login directory due to insufficient privilege to

0 Jonathan G. Campbell, University of Ulster, N. Ireland, WWW Links I n/a 1k http://www.iscm.ulst.ac.uk/~jon/book/
J.G. Campbell's Bookmarks From 27 August 1997 this page is *permanently* relocated to http://www.infm.ulst.ac.uk/jgc/book Updated 27 August 1997 - JG. Campbell@ulst.ac.uk

0 CIOS/Comserve WWW server address has changed L 5m 1k
http://cios.llc.rpi.edu:4997/mailboxes/comgrads\08085104.118
CIOS/Comserve WWW server address has changed The CIOS web server address has changed. It is now http://www.cios.org Please note too the new email address for the Comserve email interface to

0 DEFINE IMAGE L 9m 2k http://iram.fr/doc/sic/node58.html
DEFINE IMAGE Next: DEFINE/LIKE Up: DEFINE Previous: DEFINE HEADER DEFINE IMAGE DEFINE IMAGE Var1 File1 Key1 [Var2 File2 Key2 [...]][/GLOBAL]

0 Arizona Off-Road L 3m 3k http://www.azoffroad.com
Arizona Off-Road 1833 W. Mountain View Road Phoenix, AZ 85021 ATC's MOTORCYCLES JET SKIS GO CARTS

0 Résultats dans les cantons L 21d 5k http://admin.ch/ch/f/pore/va/19840226/can316.html
Votation no 316 - Résultats dans les cantons Tableau récapitulatif / deutsch Votation no 316 Résultats dans les cantons Arrêté fédéral concernant la perception d'une redevance sur le trafics des poids lourds du 24 juin 19

0 "We Know How the Parisians Felt" L 1y 6k http:///electron.rutgers.edu/~myadav/war71/wall/dec27b.html
"We Know How the Parisians Felt" "We Know How the Parisians Felt" Section: Box ,Page, TIME, Dec. 27, 1971 Time Correspondent Dan Coggin, who covered the war from Pakistani side, was in Dacca when that city surrendered. His repor

0 The U.S.:A Policy in Shambles L 1y 6k http://electron.rutgers.edu/~myadav/war71/wall/dec20b.html
The U.S.:A Policy in Shambles The Nixon Administration drew a fusillade of criticism last week for its policy on India and Pakistan. Two weeks ago, when war broke out between two traditional enemies, a State Department spokesman issued

0 ClariNet Tearsheet: Government, Business, and General News N **0d** 8k http://www.clari.net/Samples/nb-other.html
ClariNet Tearsheet: Government, Business, and General News ClariNet *ClariNet Tearsheet: Government, Businesss, and General News ClariNet Tearsheet: Government, Business, and General News This summary of computer and technology news is

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FIG. 7

Pages with duplicate context strings to a page above:

D

Vol. 1,No. 19 A ly 18k http://www.media.sbexpos.com/BULL/BUL0119.HTM
Alternate H ly 18k http://www.seyboldreport.com/BULL/BUL0119.HTM
...ore than five million members Presstek floats additional stock Perlsetters launched in Europe NEC announces **digital watermark** Oracle to include software suite with Internet box Ca.../...-BT have launched Presstek's Pearlsetters in seven European countries. Reuters reports that NEC claims to have develped a digital watermark system that could protect digital files.../...n members Presstek floats additional stock Pearlsetters launched in Europe NEC announces **digital watermark** Oracle to include software suite with Internet box Canon combines divisions within a I.../...ters in seven European countries. Reuters reports that NEC claims to have developed a **digital watermark** system that could protect digital files, such as still images, video and audio, from unauth...

D

(http://www.videodiscovery.com/vdyweb/dvd/dvdfaq.txt) H 1m 118k
http://www.videodiscovery.com/vdyweb/dvd/dvdfaq.txt
...a on NTSC line 21. The digital standard (CGMS/D) is not yet finalized, but will apply to digital connections such as IEEE 1394/Firewire. 3)Because of the potential for perfect digital copies, paranoid.../...isplaying it. No unscrambled digital output is allowed until work in progress for secure digital connections is finished. On the computer side, DVD-ROM drives and video display/decoder hardware or softw.../...d a PCM audio track. (Other streams such as Dolby Digital audio, MPEG audio, and subpicture are not necessary for the simplest case.) Basic DVD control codes are also needed. At the moment it's difficul.../...doing this, but it's possible. The music industry is also requesting an "embedding signalling" or "**digital watermark**" copy protection feature. This applies a digital signature to the audio in the form of supposedly...

D

Hyflex J1 Launch H 3m 3k http://jpn.co.jp/jan96/jp14.html
Hyflex J1 Launch H 3m 3k http://jpn.co.jp/feb96/jp14.html
...Hyflex J1 Launch NEC Develops **Digital Watermarking** Technique JPN Scientists at NEC Research Institut...
/...nch NEC Develops **Digital Watermarking** Technique JPN Scientisits at NEC Research Institute in Princeton, NJ, have developed a **digital watermarking** method that could be us.../...ary information is increasingly an issue," said Tatsuo Ishigoro, associate senior vice president of NEC Corp. "...I am convinced that our watermarking technique is a solution that will be welcomed espec.../...Hyflex J1 Launch NEC Develops **Digital Watermarking** Technique JPN Scientists at NEC Research Institue in Princeton, NJ, have de.../...ique JPN Scientists at NEC Research Institute in Princeton, NJ, have developed a **digital watermarking** method that could be used to protect the copyright of images and music on the Internet. Con.../...e is no way to track its reproduction and therefore it provides little protection against piracy. A **digital watermark**, however, can protect a copyright by means of an invisible identification code that is permanently...

D

Internet H n/a 20k http://net.info.ni/ui/0296/internet.html
...tscape servers. Dit kwam o.a. door het feit dat bepaalde optionele onderdelen zoals een database-connector duur betaald moeten worden. Microsoft op zijn beurt deed daar weer een schepje bovenop door we...
/...://www.microsoft.com/infoserv.http://www.microsoft.com/windows http://www.netscape.com NEC ontwikkelt **Digital Watermark** Technology NEC is in zijn computerlaboratoriums bezig met een digit...
/...microsoft.com/windows http://www.netscape.com NEC ontwikkelt **Digital Watermark** Technology NEC is in zijn computerlaboratoriums bezig met een digitaal watermerk. Dit watermerk moet in de tockom.../...t.com/infoserv http://microsoft.com/windows http://www.netscape.com NEC ontwikkelt **Digital Watermark** Technology NEC is in zijn computerlaboratoriums bezig met een digitaal watermerk. Dit watermerk...

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FIG. 8

These documents no longer exist:

Error 404 Not found - file doesn't exist or is read protected [even tried multi] Digital Image Watermarking: Main Project Page http://www.csuglab.cornell.edu/Info/People/vbadari/cs631/wrnrkproj/project.html
Error 404 Not found Labeling Techniques for Multimedia Data: http:/www-it.et.tudelft.nl/pda/smash/public/benelux_.cr.html
Error 404 Not found Labeling Techniques for Multimedia Data: http://www-it.et.tudelft.nl/pda/smash/public/benlx96/benelux.cr.html
Error 404 Not Found Artisoft Inc. - Industry Awards and Recognition http://artisoft.com/main/overview/awards.html
Error 404 File Not Found The Rutgers Review http://electron.rutgers.edu/~nebus/

This search: +nec +"digital watermark" Search engine pages: AltaVista Page 2 Page 3 Excite Page 2 HotBot Page 2 Infoseek Lycos Northern Light Page 2 WebCrawler Yahoo

Query expansion (adding these words to the query may help): **digitally**(16) **digitized**(16) **digit**(9) **digitale**(8) **digitaal**(8) **digitization**(5) **digits**(3) **digitize**(3) **watermarking**(463) **watermarks**(127) **watermarked**(50)

Engine	Response	Total	Retrieved	Processed	Duplicates
AltaVista	Yes	29	29	29	11
Excite	Yes	26	26	26	13
HotBot	Yes	39	39	33	5
Infoseek	Yes	19	19	17	0
Lycos	Yes	10	10	10	0
Northern Light	Yes	50	50	33	19
WebCrawler	Yes	1	1	0	0
Yahoo	Yes	0	0	0	0
Total		174	174	148	48
More documents were found but the maximum number of hits was reached.					

2 terms:70 1 term:5 0 terms:11 duplicate context:9 invalid link:5

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FIG. 9

40

Jump to: nec(2) digital watermark(2) http://www.neci.nj.nec.com/tr/neci-abstract-95-10.html [Track page]

NECI Technical Report 95-10

NEC Research Institue, 4 Independence Way, Princeton, NJ 08540.

Secure Spread Spectrum Watermarking for Multimedia

Ingemar J. Cox, Joe Kilian, Tom Leighton, and Talal Shamoon. December 4, 1995.

We describe a digital watermarking method for use in audio, image, video and multimedia data. We argue that a watermark must be placed in perceptually significant components of a signal if it is to be robust to common signal distortions and malicious attack. However, it is well known that modification of these components can lead to perceptual degradation of the signal. To avoid this, we propose to insert a watermark into the spectral components of the data using techniques analogous to spread sprectrum communications, hiding a narrow band signal in a wideband channel that is the data. The watermark is difficult for an attacker to remove, even when several individuals conspire together with independently watermarked copies of the data. It is also robust to common signal and geometric distortions such as digital-to-analog and anlog-to-digital conversion, resampling, and requantization, including dithering and recompression and rotation, translation, cropping and scaling. The same digital watermarking algorithm can be applied to all three media under consideration with only minor modifications, making it especially appropriate for multimedia products. Retrieval of the watermark unambiguously identifies the owner, and the watermark can be constructed to make counterfeiting almost impossible. Experimental results are presented to support these claims.

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FIG. 10

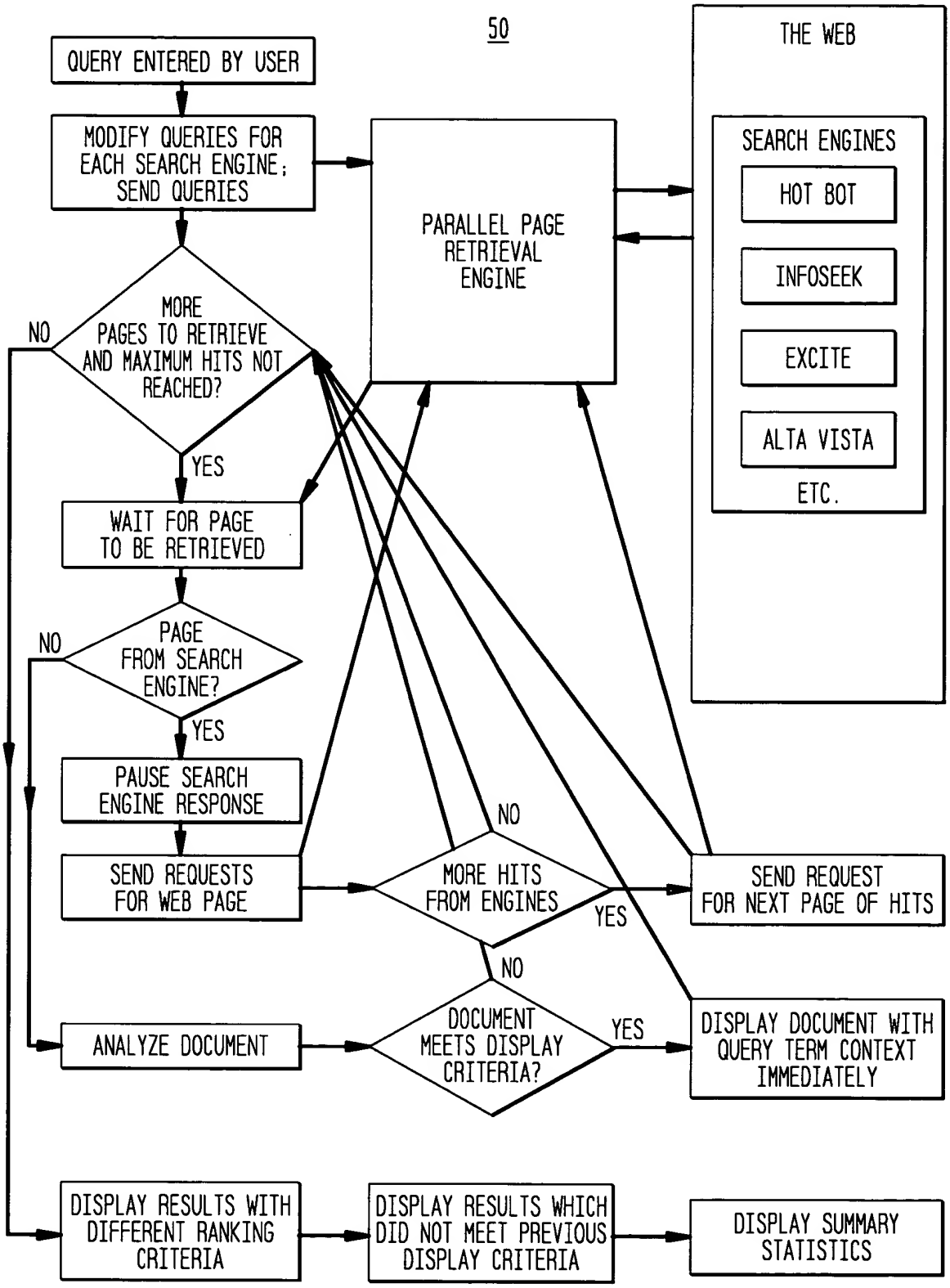

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FIG. 11

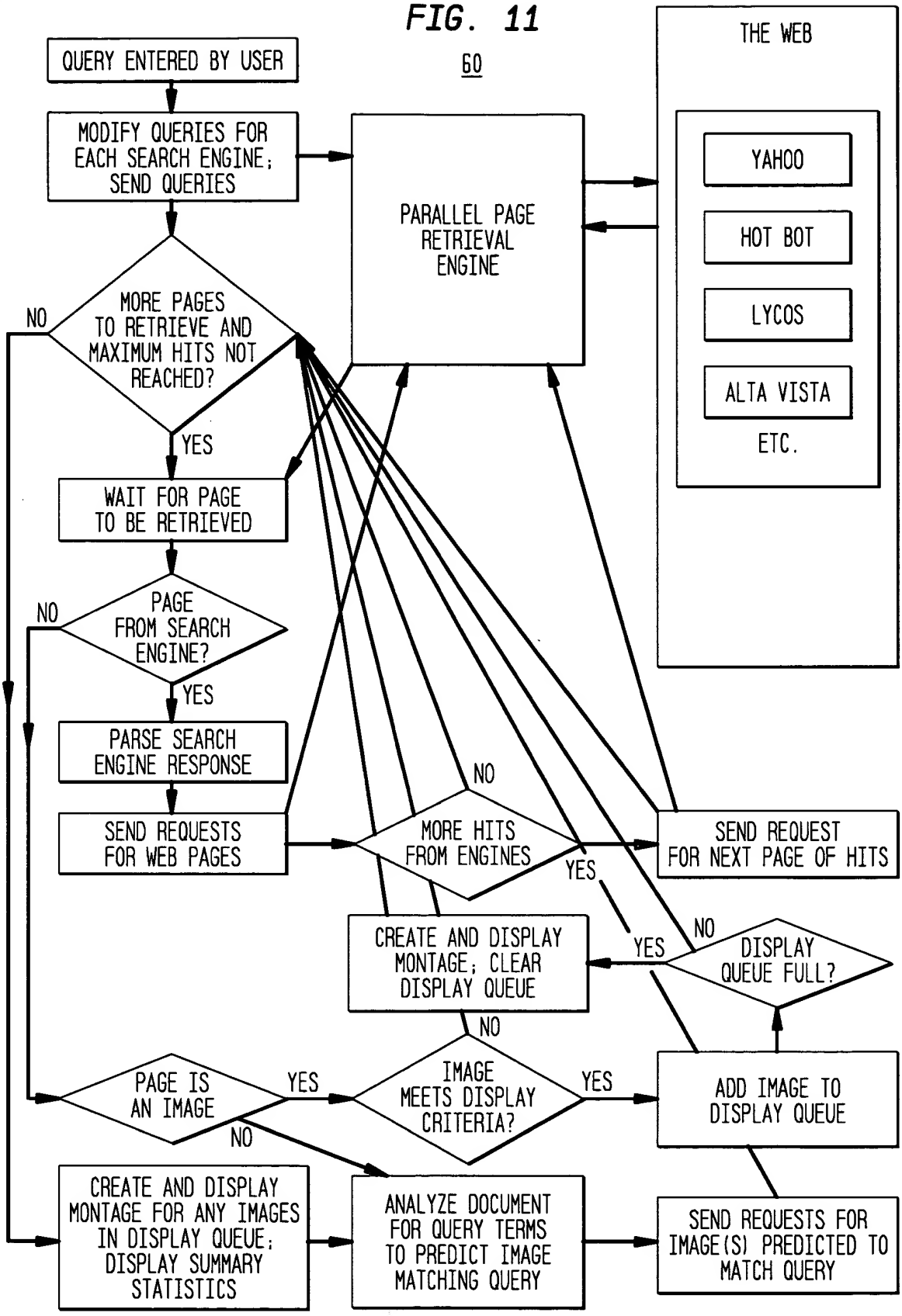

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FIG. 12

Home Options Help Suggestions Problems NECI meta search (13414 queries)

Find: Koala

Web & Usenet | Web | Usenet | Press | Images | Citations | Journals | Tech | All

(Hide) Constraints:

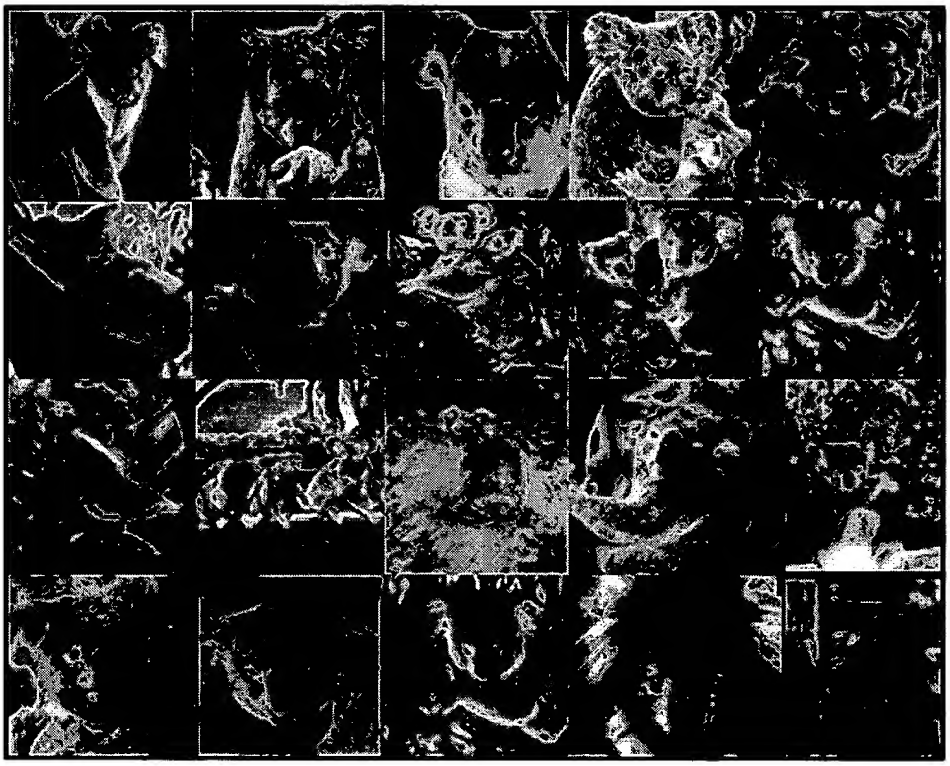
Locality: Any Age limit: None Depth: Any Images: Photos

(Hide) Options:

Hits: 100 Context: 100 Cluster No Tracking No

Searching for: koala using: WebSeer Corel Lycos Yahoo HotBot AltaVista

Tip: The bar to the left of the titles is longer when the query terms are closer together in the document.



More images were found but the maximum number of hits was reached

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FIG. 13

This search: koala Search engine pages: AltaVista Images Corel Images HotBot Images Page 2 Page 3 Page 4 Page 5 Page 6 Lycos Images Page 2 Page 3 Page 4 Page 5 WebSeer Yahoo Images

Engine	Response	Total	Retrieved	Processed	Duplicates
AltaVista Images	Yes	0	0	0	0
Corel Images	Yes	7	7	7	0
HotBot Images	Yes	5511	125	99	1
Lycos Images	Yes	222	80	85	1
WebSeer	Yes	0	0	0	0
Yahoo Images	Yes	4	4	4	1
Total		5744	216	195	3
More documents were found but the maximum number of hits was reached.					

Filtered due to size: 12 Filtered due to type: 21

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FIG. 14

Home Options Help Suggestions Problems NECI meta search (13413 queries)

Find: Koala

Web & Usenet | Web | Usenet | Press | Images | Citations | Journals | Tech | All

(Hide) Constraints:

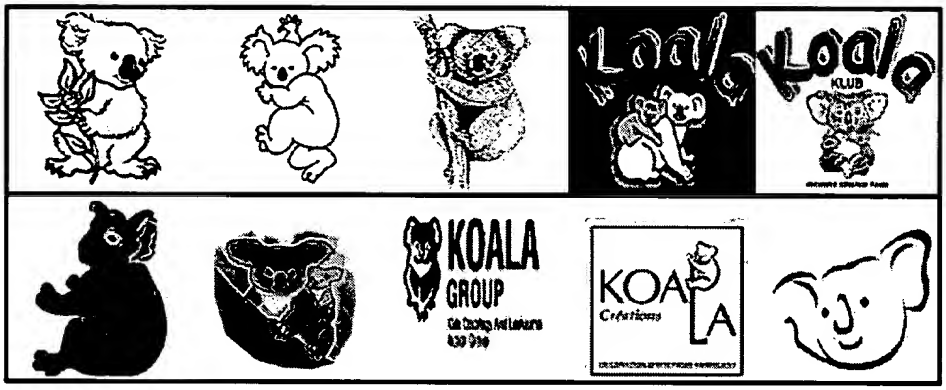
Locality: Any Age limit: None Depth: Any Images: Graphic

(Hide) Options:

Hits: 100 Context: 100 Cluster No Tracking No

Searching for: **koala** using: WebSeer Corel Lycos Yahoo HotBot AltaVista

Tip: You can search for links to a specific page, e.g. link:www.neci.nj.nec.com/homepages/giles. Self links are excluded.



More images were found but the maximum number of hits was reached

This search: koala Search engine pages: AltaVista Images Corel Images HotBot Images Lycos Images Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 WebSeer Yahoo Images

Engine	Response	Total	Retrieved	Processed	Duplicates
AltaVista Images	Yes	0	0	0	0
Corel Images	Yes	7	7	7	0
HotBot Images	Yes	0	0	0	0
Lycos Images	Yes	217	120	128	5
WebSeer	Yes	0	0	0	0
Yahoo Images	Yes	4	4	4	1
Total		228	131	139	6

More documents were found but the maximum number of hits was reached.

Filtered due to size: 2 Filtered due to type: 61

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FIG. 15

Clusters:

university of texas
artificial neural networks 70
jose nelson amaral
classifiers kagan tumer
department of electrical
combined neural classifiers
applying genetic algorithms
hybrid intelligent architecture OR hybrid intelligent architecture AND systems
radial basis function
classifier boundary distributions
estimating the bayes
boundaries in linearly
pattern recognition
tx 78712
ismail taha
kagan pine
international conference
systems
abstract
paper
austin
ece
utexas

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FIG. 16

Cluster summeries:

university of texas

Document:...by clicking on Journal Papers: Ismail Taha and **Joydeep Ghosh**, "A Hybrid Intelligent Architecture and It's Application to Water Reservo.../...d to Journal of Smart Engineering Systems. Ismail Taha and **Joydeep Ghosh**, "Symbolic Interpretation of Artificial Neural Networks", submitted .../...Austin, 1996. Conference Papers: Ismail Taha and **Joydeep Ghosh**, "Evaluation and Ordering of Rules Extracted from Feedforward Networks.../...Also, Tech. Rep. TR-97-01-106, The Computer and Vision Research Center, **University of Texas**, Austin, 1996. Conference Papers: Ismail Taha an... 72

Document:...***Joydeep Ghosh***.../...**Joydeep Ghosh Joydeep Ghosh** Telephone:(512)471-8980 Fax:(512)471-5... /...**Joydeep Ghosh Joydeep Ghosh** Telephone:(512)471-8980 Fax:(512)471-5532 E-mail:ghosh@pin.../...Fax: (512)471-5532 E-mail: ghosh@pine.ece.utexas.edu Address: The **University of Texas** at Austin Department of Electrical & Computer Engineering...

Document:...Yoan Shin and ***Joydeep Ghosh*** Department of Electrical and Computer.../...Yoan Shin and **Joydeep Ghosh** Department of Electrical and Computer Engineering The **University of Texas**../..in and **Joydeep Ghosh** Department of Electrical and Computer Engineering The **University of Texas** at Austin Austin, TX 78712 Abstract This paper introduces a nov...

...more...

artificial neural networks

Document:...**Artificial Neural Networks** Authors: Bryan W. Stiles and **Joydeep Ghosh** Department of Electrical and Computer Engineering The Unive.../...rsity of Texas at Austin Correspondence: Bryan Stiles c/o **Joydeep Ghosh** Department of Electrical and Computer Engineering The Unive.../...Phone:(512)471-2358 Email: bstiles@pine.ece.utexas.edu **Joydeep Ghosh** Department of Electrical and Computer Engineering The Univ.../...A Habituation Based Mechanism for Encoding Temporal Information in **Artificial Neural Networks** Authors:Bryan W. Stiles and **Joydeep Ghosh** Department o.../...1:ghosh@pine.ece.utexas.edu Submit to: Applications and Science of **Artificial Neural Networks** Steven K. Rogers and Dennis W. Ruck at AeroSense '9...

Document:...(eds.), IEEE Press, 1995. pp 135 - 144, Bryan W. Stiles and **Joydeep Ghosh**, "A Habituation Based Mechanism for Encoding Temporal Information in Arti.../...E Proc. Vol., Orlando, April 1995, pp. Bryan W. Stiles and **Joydeep Ghosh**, "Habituation Based Neural Classifiers for Spatio-temporal Signals", Pro.../...Proc. ICASSP-95, Detroit, May 1995, pp. Bryan W. Stiles and **Joydeep Ghosh**, "Dynamic Neural Networks for the Classification of Oceanographic Data",.../...Ghosh, "A Habituation Based Mechanism for Encoding Temporal Information in **Artificial Neural Networks**", (invited paper) Proc. SPIE Conf. on Applications and Science of Artif.../...tworks". (invited paper) Proc. SPIE Conf. on Applications and Science of **Artificial Neural Networks** IV, SPIE Proc. Vol., Orlando, April 1995. pp. Bryan W. St...

Document:...uth.edu Larry D. Jackel Robert E. Schapire Y. Freund Kagan Tumer and **Joydeep Ghosh** Shimon Edelman Jonathan Baxter Anders Krogh and Jesper Vedelsby .../...ftp from "ftp://eris.wisdom.weiamann.ac.il/pub/mam.ps.Z" Kagan Turner and **Joydeep Ghosh**, "Theoretical Foundations of Linear and Order Statistics Combiners for Ne.../...When Networks Disagree: Ensemble Methods for Neural Networks", Chapter 10, **Artificial Neural Networks** for Speech and Vision, editor R.J. Mammone. Chapman-Hall, London 1993 M...

...more...

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FIG. 17

HUSKY SEARCH
Query: (joydeep ghosh)

Documents: 102, Clusters: 14, Average Cluster Size: 11.21 documents 76

Document Group	Size	Phrase and Sample Document Titles
Cluster 1	19	Artificial (74%), Hybrid intelligent (32%), domain knowledge(26%) ORGANIZING COMMITTEE Untitled Abstract Abstract Untitled
Cluster 2	7	Click on to view the abstract and on to obtain a postscript copy...(71%), postscript copy of the full paper (100%), paper is currently not available.(57%) Kagan Tumer's Publications Classification Working Papers Refereed Archival Journal Publications (Full/Regular Papers) Technical Reports
Cluster 3	15	Kagan Tumer (100%), NEURAL CLASSIFIERS Kagan Tumer and Joydeep ghosh (27%), pattern classifiers (20%), tumer (53%) Untitled Untitled Abstract Abstract Abstract
Cluster 4	8	of Electric and Computer (88%) Untitled Untitled LANS Home Page Joydeep Ghosh LANS Home Page
Cluster 5	31	e.ece(32%), RESEARCH & EDUCATIONAL RESOURCES/ORGANIZATIONS/ centers (10%), of Texas (10%), er (81%) Untitled Untitled Botch 92 Chemical Engineering LANS Home Page Joydeep Ghosh
Cluster 6	11	University of Texas at austin (50%), University of texas (67%), texas (100%) Untitled Untitled LANS Home Page Joydeep Ghosh Joydeep Ghosh
Cluster 7	3	ters.Journal (100%) LANS Home Page Refereed Archival Journal Publications (Full/Regular Papers) Refereed Archival Journal Publications (Full/Regular Papers)

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FIG. 18

80

Document Group	Size	Phrase and Sample Document Titles
Cluster 8	16	papers (100%) Kagan Tumer's Publications Classification Kurt's Publications Working Papers Refereed Archival Journal Publications (Full/Regular Papers)
Cluster 9	2	ons.Books (100%) LANS Home Page Books/Proceeding...(Edited)
Cluster 10	8	(100%) LANS Home Page Associated Members LANS Home Page Associated Members No Title
Cluster 11	4	s. Austin (100%) Untitled LANS Home Page LANS Home Page No Title
Cluster 12	11	combining (100%), outputs (64%) Abstract Abstract Abstract Untitled Abstract
Cluster 13	8	ted (100%) LANS Home Page Kagan Tumer's Publications CIS Publications Database Kurt's Publications Refereed Archival Journal Publications (Full/Regular Papers)
Cluster 14	13	e (100%) LANS Home Page Joydeep Ghosh JOYDEEP GHOSH Joydeep Ghosh LANS Home Page
Unclustered	3	Musical Events in Mumbai Batch-Wise Mailing Lists and Home Pages for IITK Publicacões de José Nelson Amaral

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FIG. 19

Refine your search by requiring a few relevant topics, excluding irrelevant ones and ignoring the others.

- 26% **Ghosh**, neural, artificial, networks, sonar, austin, classification, texas, signals
- 24% **Orthod**, orthodontics, orthodontic, orthop, orthodontists, mandibular, maxillary, nanda craniofacial
- 23% **Classifiers**, kagan, classifier, combiners, combining, recognition, pattern, proceedings, ensemble
- 18% **Dds**, dmd, bds, incisors, msd, phd
- 16% **Ieee**, spie, associative, annealing
- 15% **Wavelets**, fuzzy, prof
- 14% **Molars**, maxilla, mandible
- 14% **Generalization**, supervised, adaptation, vol, estimation
- 12% **Ece**, electrical, engineering, utexas

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digital Digital Equipment Corporation

Search Personal

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FIG. 20

Clusters:	
artificial neural networks networks neural networks ieee international conference university of texas pacific northwest laboratory recurrent neural networks nnw in hep pacific northwest national university of california austrian research institute self organizing map northwest national laboratory artificial intelligence pattern recognition research group international conference fuzzy logic san diego genetic algorithms ieee transactions signal processing pacific northwest technical report machine learning data nets ai software	84

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FIG. 21

Clusters:

carpal tunnel syndrome
repetitive stress injuries
software monitoring tools
contain useful advice
repetitive strain injuries
san jose state OR san jose state AND archive
kinds of documents
university of nebraska
htm diana carroll
products include split
dan wallach
keyboard alternatives
interest finder OR browse groups
human factors
tifaq general
injuries
related
archive
resources
contain useful advice AND resources OR contain useful advice AND keyboard alternatives
repetitive stress injuries AND keyboard alternatives
repetitive stress injuries AND dan wallach

86

carpal tunnel sydrome

Document:...FAQ - **Typing** Injury.../...**Typing Injury** FAQ Home Page [TIFAQ][General][Keyboards][Speech][Mice][Sof... ...FAQ - **Typing Injury** .../... **Typing Injury** FAQ Home Page [TIFAQ][General][Keyboards][Speech][Mice][Software] .../...**Injury** Archive. sources of information for people with **typing** injuries, repetitive stress injuries, **carpal tunnel syndrome**, etc.. The TIFAQ is targeted at computer users suffering at the hands oftheir equipment. You'...

Document:...JXM's Ergonomics Page is a site by John Murray at University of Michigan that focuses on **typing** injuries, **carpal tunnel syndrome** and design concepts. Office Working Postures is a comme.../...eral links to various safety oriented servers, lists, and newsgroups. You do the searching. **Typing** Injuries is everything you ever wanted to know about **typing** injuries by Dan Wallach at Princeto.../...Princeton. Lots of publications and links. Everything you wanted to know and more. **Typing Injury** Archive is a **typing injury** library by Dan Wallach at Princeton. Here you will find a well cate.../...ons and links. Everything you wanted to know and more. **Typing Injury** Archive is a **typing injury** library by Dan Wallach at Princeton. Here you will find a well categorized list of **typing injury** .../...and Ergonomics Home Page links to several ergonomic sites that focus on safety issues, such as: **carpal tunnel syndrome**, back injuries, air quality, sick building sydrome, and lighting. Lawrence Livermore Lab .../...al technology and human factors engineering. Mostly in-house work but an interesting site. **Carpal Tunnel Syndrome** is a commercial site but does have lots of references to CTS. Specific emphasis is on keyboard...

Document:...at the keyboard. Site offers Time Out For Windows, an ergonomic exercise break program. **Typing Injury** FAQ: This is the home page for the **Typing Injury** FAQ and **Typing Injury** Archive. .../...an ergonomic exercise break program. Typing Injury FAQ: This is the home page for the **Typing Injury** FAQ and **Typing Injury** Archive. NEW! University of Minnesota Office Ergonomics... /...are, how one gets them, and some guidelines for how one may help heal oneself from this devastating **injury**. **Carpal Tunnel Syndrome** & Repetitive Stress Computer Related Repetitive St.../...**Carpal Tunnel Syndrome** & Repetitive Stress Computer Related Repetitive **Strain Injury**: I hope on this page to provide a very brief introduction to RSI for the benefit of students who.../...em and some guidelines for how one may help heal oneself from this devastating **injury**.**Carpal Tunnel Syndrome** & Repetitive Stress Computer Related Repetitive Strain Injury: I hope on this page t.../...pause helps you avoid ODS/RSI with Micropauses and Exercise Breaks. Patient's Guide to **Carpal Tunnel Syndrome**: The following documents attempt to explain what **Carpal Tunnel Syndrome** is, how it is diagnosed...

Document:...**Typing Injury** FAQ: General Information.../...**Typing Injury** FAQ: General Information General Infomration [TIFAQ] [General][Key... ...**Typing Injury** FAQ: General Information.../...**Typing Injury** FAQ: General Information General Information [TIFAQ][General][Keyboards].../...nonym for RSI WRULD Work-Related Upper Limb Disorders - yet another synonym for RSI CTS **Carpal Tunnel Syndrome** (see below) Hyperextension Marked bending at a joint, Pronation Turning the palm down.../...over the wrist and forearm, some tenderness, and it gets worse with repetitive activity. **Carpal Tunnel Syndrome** the nerves that run through your wrist into your fingers get trapped by the inflamed mu..
...more...

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FIG. 22

Home Options Help Suggestions Problems NECI meta search (14083 queries)

Find: what does NASDAQ stand for?

Web & Usenet | Web | Usenet | Press | Images | Citations | Journals | Tech | All

(Show) Constraints:
(Hide) Options:

Hits: 100 Context: 100 Cluster No Tracking No

Searching for: "NASDAQ stands for" "NASDAQ is an abbreviation" "NASDAQ means" using: HotBot Infoseek AltaVista Excite Lycos Northern Light Yahoo WebCrawler.

Tip: For better precision with multiple terms you might like to use "+" to ensure that the results contain specific terms (e.g. + "lee giles" + optics).

Ref:...viation for the New York Stock Exchange AMEX is an abbreviation for the American Stock Exchange **NASDAQ is an abbreviation** for the National Associaction of Securities Dealers Automatic Quotation Exchange "Top 5% of the...

Ref:...nformation on NASDAQ and the companies traded theron. (Incidentally, does anyone know what **NASDAQ stands for**?) NYSE All about the N ew Y ork S tock Exchange. Data mongers loo...

Ref:...- The NASDAQ Last-Revised: 25 Oct 1996 from: billmanr@aol.com, jeffwben@aol.com, cml@cs.umd.edu **NASDAQ is an abbreviation** for the National Association of Securities Dealers Automated Quotation system. It is also communl...

Ref"...- NASDAQ Last_Revised: 25 Oct 1996 From: billmanr@aol.com, jeffwben@aol.com, lott@invest-faq.com **NASDAQ is an abbreviation** for the National Association of Securities Dealers Automated Quotation system. It is also communl...

Ref"...ble for the operation and regulation of the NASDAQ stock market and overthecounter markets. **NASDAQ Stands for** the National Association of Securities Dealers Automated Quotation System. A nationwide computeri...

Ref"...site Index is a value weighted index that monitors more than 2,000 stocks traded over-the counter. **NASDAQ stands for** National Association of Securities Dealers Automated Quotations. It has been available since 1971...

Ref"...as an incentive stock option under Section 422 of the Code. (k) **"NASDAQ" means** the National Association of Securities Dealers, Inc. Automated Quotation System...

[...section deleted...]

This search: "NASDAQ stands for" "NASDAQ is an abbreviation" "NASDAQ means" Search engine pages:
AltaVista Excite HotBot Infoseek Lycos Northern Light WebCrawler Yahoo

Engine	Response	Total	Retrieved	Processed	Duplicates
AltaVista	Yes	9	9	9	1
Excite	Yes	24	24	24	1
HotBot	Yes	23	23	23	4
Infoseek	Yes	5	5	5	0
Lycos	Yes	0	0	0	0
Northern Light	Yes	0	0	0	0
WebCrawler	Yes	0	0	0	0
Yahoo	Yes	0	0	0	0
Total		61	61	61	6

3 terms:0 2 terms:0 1 term:26 0 terms:9 duplicate context:14 cannot access:3 invalid link:3

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FIG. 23

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proof of intelligent life on the net SM

92

Home | Add URL | Free Software | Help

BIG Yellow
White & Yellow Pages

UPS SM
Global Services

Infoseek found 23,064,238 pages containing at least one of the these words: what does NASDAQ stand for?

Related Topics

- Stock
- Personal investment
- Brokerage with online trading
- Financial market analysis

Search Results 1 - 10

Hide Summaries | next 10

Stock Research NASDAQ - are you a shrewd investor? FREE copy of the best
Stock Research NASDAQ - are you a shrewd investor? FREE copy of the best Stock Research NASDAQ. Be ahead of the Market. Stock Research NASDAQ that always call it right. Our ...
72% http://www.updatenews.com/key/investresearch/ (Size 5.3K)

CyberLand HQ
CyBerCorp designs and develops real-time decision support, execution and trading systems for NASDAQ stock market traders. Be sure to check out CyBerTrader.
63% http://www.cyber-corp.com/ (Size 4.0K)

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AMUSEMENT & RECREATION SERVICES. [InvestQuest® Home| Company List| Industries| Company Search] ALLIANCE GAMING CORP (NASDAQ:ALLY) ALPHA HOSPITALITY CORP (NASDAQ:ALHY) AMERICAN_
63% http://www.investquest.com/html/79_industry.htm (Size 11.9K)

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62% http://www.investquest.com/html/63_industry.htm (Size 26.8K)

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WHOLESALE TRADE-DURABLE GOODS. [InvestQuest® Home| Company List| Company Search] AAR CORP (NYSE:AIR) ABATIX ENVIRONMENTAL CORP (NASDAQ:ABIX) ACE HARDWARE CORP...
62% http://www.investquest.com/html/50_industry.htm (Size 24.2K)

Stocks by Symbol-C
Stocks by Symbol-C. C(NYSE) Chrysler CA (TSE) Canadian Airlines CANOTC%3AMGIS(OTC) Magisoft Software Corp. CAWS+(NASDAQ)CAI Wireless Systms Inc. CBMI(NASDAQ) Creative...
62% http://stockclub.com/stocks/symbol-c-index.html (Size 9.6K)

Stocks by Company Name - A
A+ Communications (NASDAQ:ACOM) A.G. EDWARDS (NYSE:AGE) Abatix Environmental (NASDAQ:ABIX) access health (NASDAQ:ACCS) acclaim (NASDAQ:AKLM) Ackerley Communications (NASDAQ:AK)...
62% http://stockclub.com/stocks/name-a-index.html (Size 8.5K)

InvestQuest® RUBBER AND MISC.PLASTICS PRODUCTS
RUBBER AND MISC. PLASTICS PRODUCTS. [InvestQuest® Home| Company List| Industries| Company Search] ADVANCED MATERIALS GROUP INC (NASDAQ:ADMG) AEP INDUSTRIES INC (NASDAQ:AEPI)...
62% http://www.investquest.com/html/30_industry.htm (Size 10.6K)

InvestQuest® FABRICATED METAL PRODUCTS
FABRICATED METAL PRODUCTS. [InvestQuest® Home| Company List| Industries| Company Search] AAVID THERMAL TECHNOLOGIES INC (NASDAQ:AATT) ABC RAIL PRODUCTS CORP (NASDAQ:ABCR) ABS...
62% http://www.investquest.com/html/34_industry.htm (Size 13.3K)

InvestQuest® ENGINEERING & MANAGEMENT SERVICES
ENGINEERING & MANAGEMENT SERVICES. [InvestQuest® Home| Company List| Industries| Company Search] ADVANCED DETECTORS INC (OTC Bulletin Board:3ADET) AERO SYSTEMS ENGINEERING INC...
62% http://www.investquest.com/html/87_industry.htm (Size 15.8K)

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FIG. 24

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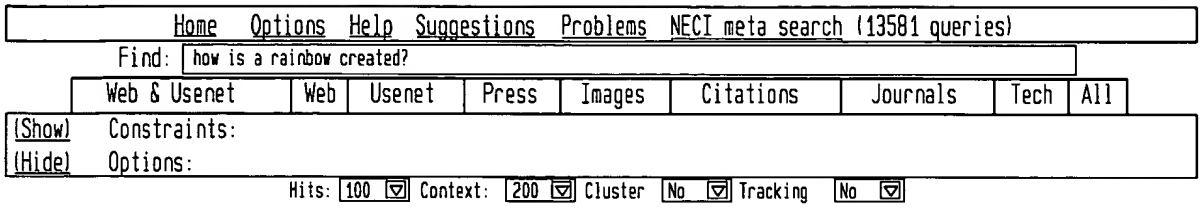

Ref:...the green flash. it helps to know how our atmosphere effects sunlight. Coincidentally, the phenomenon responsible for the green flash is also the one that paints rainbows across Hawaii's sky. A **rainbow is created** when rays of sunlight enter a raindrop, bounce around inside, and exit. Light from the sun consists of a potpourri of colors that are each bent by a different amount inside a raindrop. This unequa...

Ref:...scapes the raindrop after it is reflected once. A part of the ray is reflected again and travels along inside the drop to emerge from the drop. The rainbow we normally see is called the primary **rainbow and is produced** by one internal reflection the secondary rainbow arises from two internal reflections and the rays exit the drop at an angle of 50 degrees rather than the 42 degrees for the red primary bow. ...

Ref:...e rainbow we do not see the sun, and we rarely see a rainbow in winter. How do we explain this apperance of a bow, double bows, size of arc, and brightness of the rainbow? Answer The **rainbow is produced** by sunlight passing through a raindrop or a collection of rain drops. A typical raindrop is spherical and as a light ray strikes the surface of the raindrop, some light is reflected and some passes ...

Ref:...se to us. He promised that the earth will never be destroyed again by a flood. As a sign of that promise He put a rainbow in the sky. Whenever we see a rainbow, we can think of God's promise. The **rainbow is made** up of all the colors. Back To Index Next Page... Page 1 ...

Ref:...two rainbows, the narrower male rainbow and the wider female. The male rainbow can not stop the rain by itself. When it is followed by the female the rain stops. Other Native Americans believe the **rainbow is made** from the souls of wild flowers that lived in the forest and lilies from the prairies. A Japanese myth tells of the first man Isanagi and the first woman Isanami who stood on the floating bri.../...te of samsara before the clear light of Nirvana or heaven. In Arabia the rainbow is a tapestry draped by the hands of the south wind. It is also called the cloud's bow or Allah's bow. In Islam the **rainbow is made** up of four colors, red, yellow, green and blue related to the four elements. In myths of India the Goddess Indra not only carries a thunderbolt like the Greek God Zeus but she also carries a...

Ref:...true b. false 13. The average speed of light is greatest in _.a.red glass.b. orange glass. c. green glass. d. blue glass. e. is the same in all of these. 14. The secondary **rainbow is produced** with an extra (choose the best answer) a. dispersion. b. reflection. c. refraction. d. diffraction. 15. If a person has green cones that are weak, then yellow light will appear_ to t...

Ref:...ever wonder what makes the color in a rainbow? The answer is sunlight, it has all of the colors of the rainbow in it, but they are all mixed up together so you are not able to see them. The **rainbow is made** up of drops of water. When sunlight passes through a drop of water, it bends and the colors inside the light split apart and are separated so that we can see them. When the sunlight passes through...

[...section deleted...]

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FIG. 25

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proof of intelligent life on the net SM

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Home | Add URL | Free Software | Help

BIG Yellow
White & Yellow Pages

UPS SM
Global Services

Infoseek found 20,594,341 pages containing at least one of the these words: how is a rainbow created?

Related Topics
- Pet loss
- Fly fishing

Search Results 1 - 10

Hide Summaries | next 10

Hayden Books: Creative Techniques
Creative Techniques brought to you by Hayden Books Working with Layers: Creating a Rainbow Effect Art by Gary Poyssick Comments: This tip shows you how to use layers and Photoshop's...
64% http://www.mcp.com/1694700817105120/hayden/series/techniques/52/index.html (Size 4.2K)

Rainbow Sports Networks and The Sporting News Create Alliance
World Data Web Connect InsideMedia August 16, 1996 Rainbow Sports Networks and The Sporting News Create Alliance Rainbow Programming Holdings' sports networks - NewSport, Prime and ...
64% http://www.mediacentral.com/Magazines/InsideMedia/News/1996081601.htm/Default (Size 3.9K)

Hayden Books: Creative Techniques
Creative Techniques brought to you by Hayden Books Working with Layers: Creating a Rainbow Effect Art by Gary Poyssick Comments: This tip shows you how to use Layers and Photoshop's...
64% http://www.mcp.com/182297511149932/hayden/series/techniques/52/index.html (Size 4.2K)

Rainbow Warriors?
Rainbow Warriors? Hacker All the colors of the rainbow... The appropriate excerpt from the alt2600 FAQ. Your are left on your own recognizance
63% http://www.jhcloos.com/sjgames/hacker/chroma.html (Size 3.8K)

Pet Loss and Rainbow Bridge
Rainbow Bridge and Pet Loss grief pages, may post poems, photos, tributes or just stop by and be comforted.
62% http://www.primenet.com/~maggie/bridge.htm (Size 45.2K)

The sky's the limit: student activities
We all see something different when we look up to the sky. The clouds often stir our imagination allowing us to see animated images being formed by those mysterious "puffs of...
62% http://www.solutions.ibm.com/k12/teacher/cloudss.html (Size 9.6K)

Asymetrix 3D F/Xtm Drag and Drop 3D for Windows screenshot Create
high-quality, professionally rendered three-dimensional images and animations with Asymetrix 3D F/X. You can easily add dazzling 3-D affects and sophisticated animation to any...
62% http://3dsite.com/3dsite/cgi/software/asymetrix/3dfx.htm (Size 6.9K)

Rainbow Video Authoring Services
CD-ROM Authoring and Web Development Services. Not satisfied with offering the best in regional video production, Rainbow Video offers complete CD-ROM authoring services for both the ...
61% http://www.rainbowvideo.com/author.htm (Size 2.7K)

Bio
Bio [TOC Icon][Feedback Icon] photo by Wink Van Kempen Fred Stern The Rainbow Maker Fred Stern was raised in New York and is an acknowledged innovator in environmental art. He has...
61% http://www.zianet.com/rainbow/bio.htm (Size 4.1K)

Oregon Department of Fish and Wildlife Weekly Fishing Report
Oregon Department of Fish and Wildlife. Now sorted by zones!. Updated: August 7, 1997. *Denotes scheduled stocking Zones. Northwest Zone | Southwest Zone | Willamette Zone | ...
60% http://www.dfw.state.or.us/ODFWhtml/RecReports/Fishing.html (Size 40.5K)

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FIG. 26

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Home Options Help Suggestions Problems NECI meta search (13584 queries)

Find: what is a mealy machine?

Web & Usenet | Web | Usenet | Press | Images | Citations | Journals | Tech | All

(Show) Constraints:
(Hide) Options:

Hits: 100 Context: 200 Cluster No Tracking No

Searching for: "mealy machine is" "mealy machine refers to" "mealy machine means" "mealy machine will" "mealy machine helps" using: HotBot Infoseek AltaVista Excite Lycos Northern Light Yahoo WebCrawler.

Tip: For better precision with multiple terms you might like to use "+" to ensure that the results contain specific terms (e.g. + "lee giles" + optics).

Ref:...k, such that all state memory changes are made with respect to the clock signal. T F A Moore machine usually has less states than an equivalent Mealy machine. T F A potential problem with a **Mealy Machine is** that the output changes are not synchronized with clock changes. Fill in the blanks. 10 points at 2 points per blank The canonical SOP form of an expression results in a level circuit. ...

Ref:...input alphabet and by creating multiple input mechanisms for reading events. Second; the transition function must be modified so that controller tasks can be performed during state transitions. A **Mealy Machine is** a DFA that defines symbols which are output during state transitions. For the current purpose, a similar mechanism is used to perform controller tasks such as moving a robot, opening a vise of fi...

Ref:...these general premises to the Collatz conjecture, which of all open problems at the moment is perhaps the most conveniently conducive to the approach. = Generalized Sequential Machines, GSMs A **Mealy Machine is** a Finite State Automaton with a single output symbol associated with each state transition (e.g. see[1,p.42]). A GSM or Generalized Sequential Machine is similar it is a FSA with an output strin...

Ref:...next state which then effect the output. (State refers to all latched events and values.) Argument for Mealy is that the output depends on the transition, thus ignoring the buffers, the CFSM is a **Mealy Machine**. (Will explore this more later.) Issues concerning compostion have not been resolved by the Polis group, there is no composition as it stands. Resources A Formal Methodology for Hardware/Softwar...

Ref:...State Machines We consider two types of state machines. Moore and Mealy. A Moore machine is a Mealy machine whose output does not directly depend on its input. Mealy Machines a **Mealy Machine is** a 6-tuple M = (S, D, Q, q_0, D(a,q), l(a,q)) where s!=0 is a finite set of input symbols (we will use a to denote a particular input symbol)D!=0 is a finite set...

Ref:...ving on state register flip-flops, it is still desirable to use them. This leads to alternative synchronous design styles for Mealy machines. Simply stated, the way to construct a synchronous **Mealy Machine is** to break the direct connection between inputs and outputs by introducing storage elements. One way to do this is to synchronize the Mealy machine outputs with output flip-flops. See Figure 8...

Ref:...itions. A FSA is called non-deterministic if there is one or more transitions from one state to another for a given input. A Moore machine is an FSA which associates an output with each state and a **Mealy Machine is** and FSA which associates an ouput with each transition. The Moore and Mealy FSAs are important in applications of FSAs. Equivalence of deterministic and non-deterministic fsa It might seem...

Ref:...icle, and you, will make use of this three-block model to describe a state machine in VHDL using our four-step design procedure. Moreover, the outputs of a state machine define its type. That is, a **Mealy Machine is** one in which the outputs are a function of both the inputs and the current state-variables (Figure 1). A Moore machine has outputs that are a function of the state-variables only (Figure 2). And a M...

Ref:...60 Bestudeer van module 1.1 de blz.7µm blz.13 grondig.20 Als u niet (of niet meer zo goed) weet wat een toestandsmachine, een toestandsdiagram, een Moore- of een **Mealy-Machine is**, zoek dan wat u niet (meer) weet op in uw boek(en) over digitale techniek. 30. Maak de oefenopdracht van blz.13 10 Lees de rest van module 1.1 oppervlakkig...

[...section deleted...]

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FIG. 27

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Home Options Help Suggestions Problems NECI meta search (13674 queries)

Find:

Web & Usenet | Web | Usenet | Press | Images | Citations | Journals | Tech | All

(Show) Constraints:
(Hide) Options:

Hits: 50 Context: 100 Cluster No Tracking No

Tip: Clicking on the search engine links in the "Searching for" line will show the search engine response to the current query.

Recently modified URLs:

Page **ftp://ftp.kernel.org/pub/linux/kernel/testing/** [Stop tracking URL]

Recent documents matching: **signafy** [Mark as seen][Stop tracking query]

INFORMIX-Universal Server Powers Comprehensive Media Asset Management Package From Virage: ... NW n/a 12k
http://www.infoseek.com/Content?arn=BW1674-19970915&qt=**signafy**&col=NX&nh=25&kt=A&ak=allnews
... Group The Content Group. Excalibur Technologies Corp. Muscle Fish, LLC Silicon Graphics, Inc. **Signafy**, Inc. TECHMATH GmbH and TATA Consultancy Services. About INFORMIX-Universal Server INFORMIX-Un...

INFORMIX-Universal Server Powers Comprehensive Media Asset Management II n/a 13k
http://www.infoseek.com/Content?arn=ix.BWIR19970915215251 76X&qt=**signafy**&col=1X&nh=25&kt=A&ak=industrynews
...roup The Content Group. Excalibur Technologies Corp. Muscle Fish, LLC Silicon Graphics, Inc. **Signafy**, Inc. TECHMATH GmbH and TATA Consultancy Services. About INFORMIX-Universal Server I...

Today at NECI	
9:00	NJ Prog. Language Workshop - Multipurpose Rooms 2F00 2F01, 2nd Floor,(AW)
OUT	Ebbesen, Gottlieb, de Ruyter, Thornber

Recent articles about NEC Research in the press:

NEC Research Promises Terabit Memory Chips NT n/a 20k http://www.techweb.com:80/wire/news/1997/09/0911nec.html
...*NEC Research* Promises Terabit Memory Chips .../... **NEC Research** Promises Terabit Memory Chips .../... Chips International **NEC Research** Promises Terabit Memory Chips (09/11/97 12:00 p.m. EDT) By John Boyd, ...

[...section deleted...]

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FIG. 28

http://www.research.digital.com/SRC/publications/src-papers.html New text:

1. Paul McJones and John Detreville. Each to Each programmer's reference manual. Technical Note 1997-023, Digital Equipment Corporation Systems Research Center, Palo Alto, CA, October 1997.

SRC Publications List

1. Paul McJones and John DeTreville. Each to Each programmer's reference manual. Technical Note 1997-023, Digital Equipment Corporation Systems Research Center, Palo Alto, CA, October 1997.

2. Monika Henzinger and Han La Poutre. Certificates and fast algorithms for biconnectivity in fully-dynamic graphs. Technical Note 1997-021, Digital Equipment Corporation Systems Research Center, Palo Alto, CA, September 1997.

3. Monika Henzinger. Improved data structures for fully dynamic biconnectivity. Technical Note 1997-020, Digital Equipment Corporation Systems Research Center, Palo Alto, CA, September 1997.

4. Monika Henzinger and Valerie King. Maintaining minimum spanning trees in dynamic graphs. Technical Note 1997-019, Digital Equipment Corporation Systems Research Center, Palo Alto, CA, September 1997.

5. Marc Brown, Marc A. Najork, and Roope Raisamo. **A Java-based implementation of Collaborative Active Textbooks**. In *1997 IEEE Symposium on Visual Languages*, pages 372-379. IEEE Computer Society, September 1997. (PDF), (PostScript), (Copyright 1997 IEEE).

[...section deleted...]

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FIG. 29

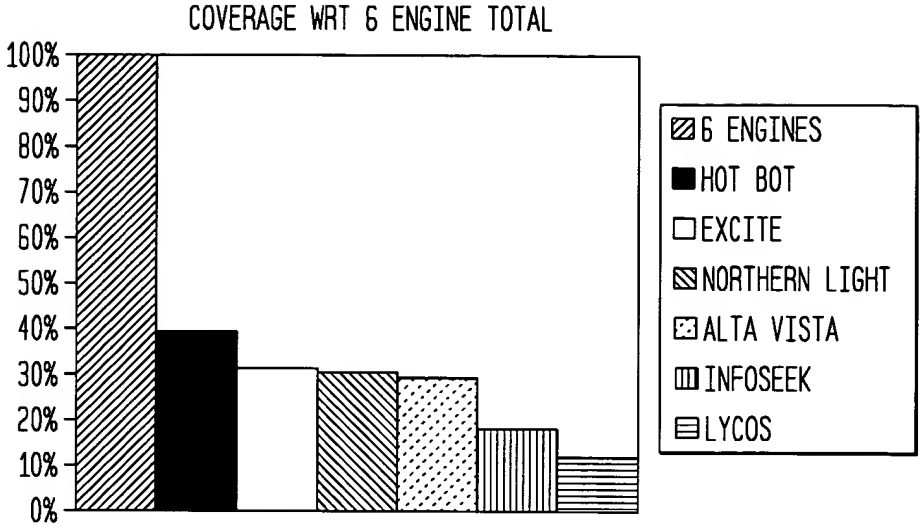

FIG. 30

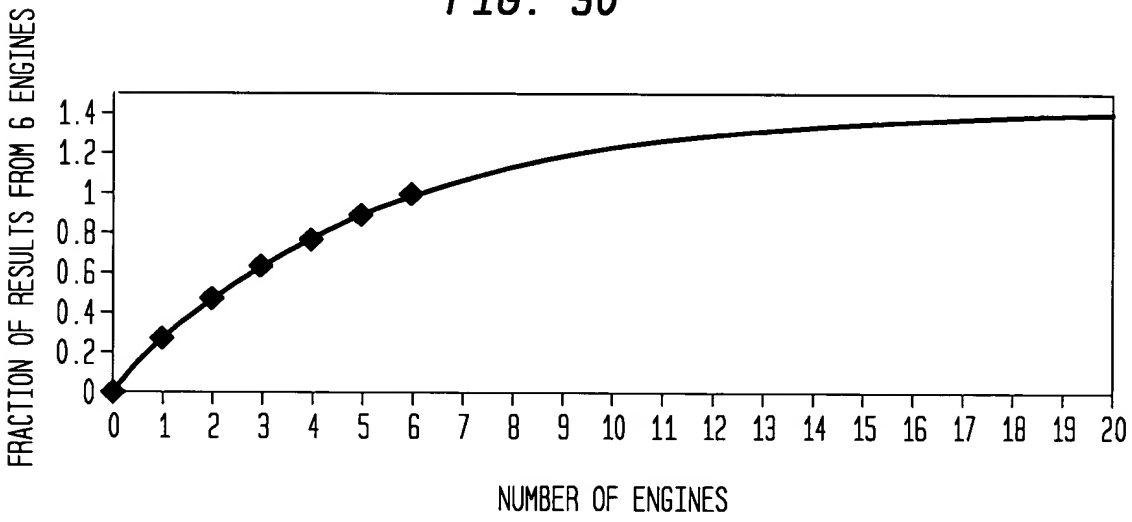

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FIG. 31

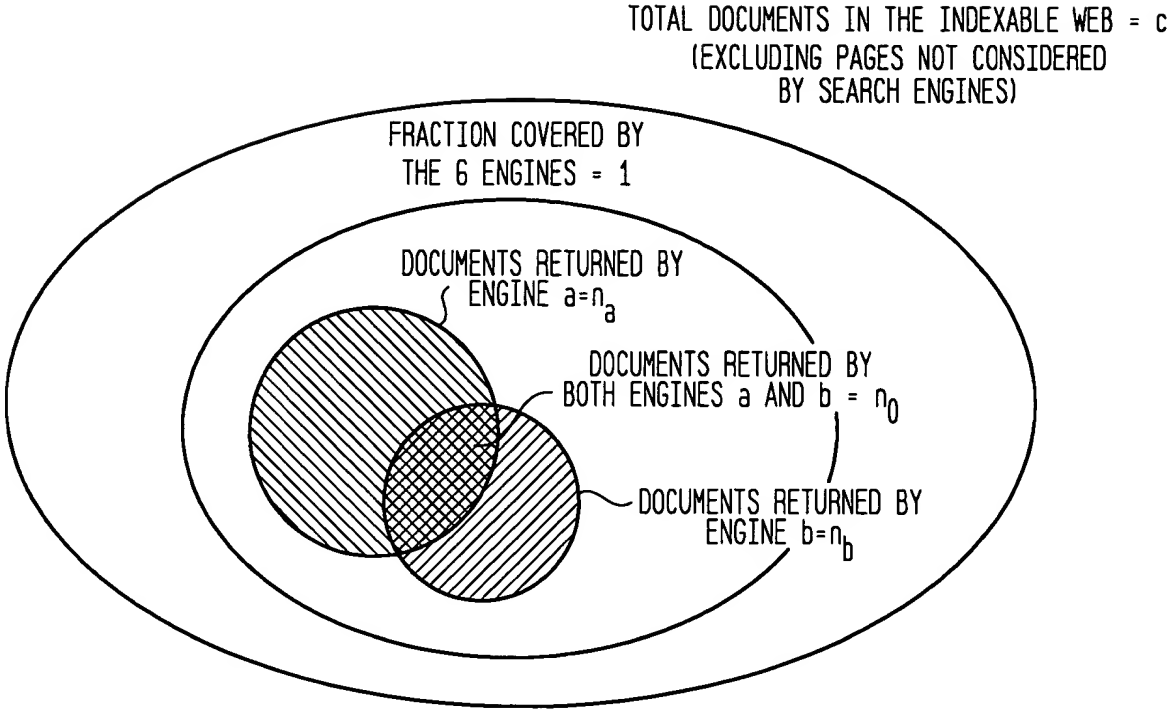

FIG. 32

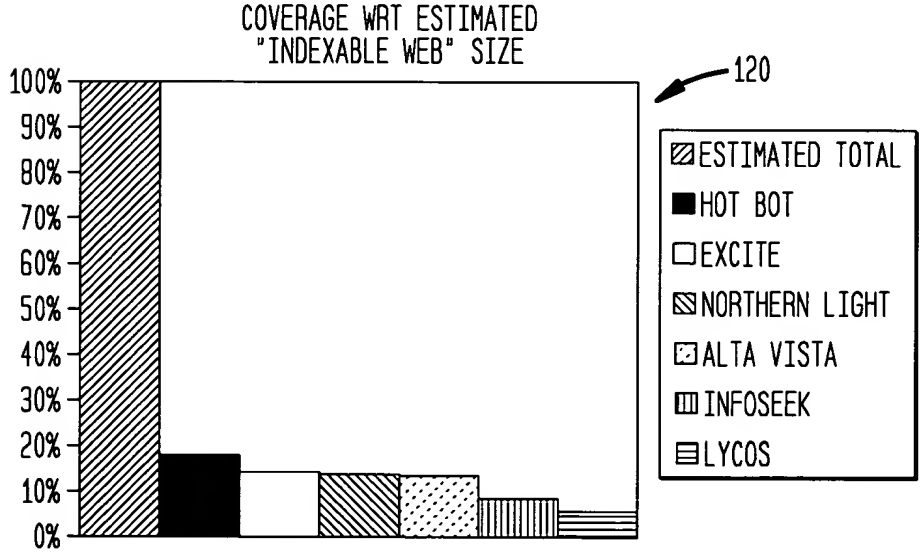

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FIG. 33

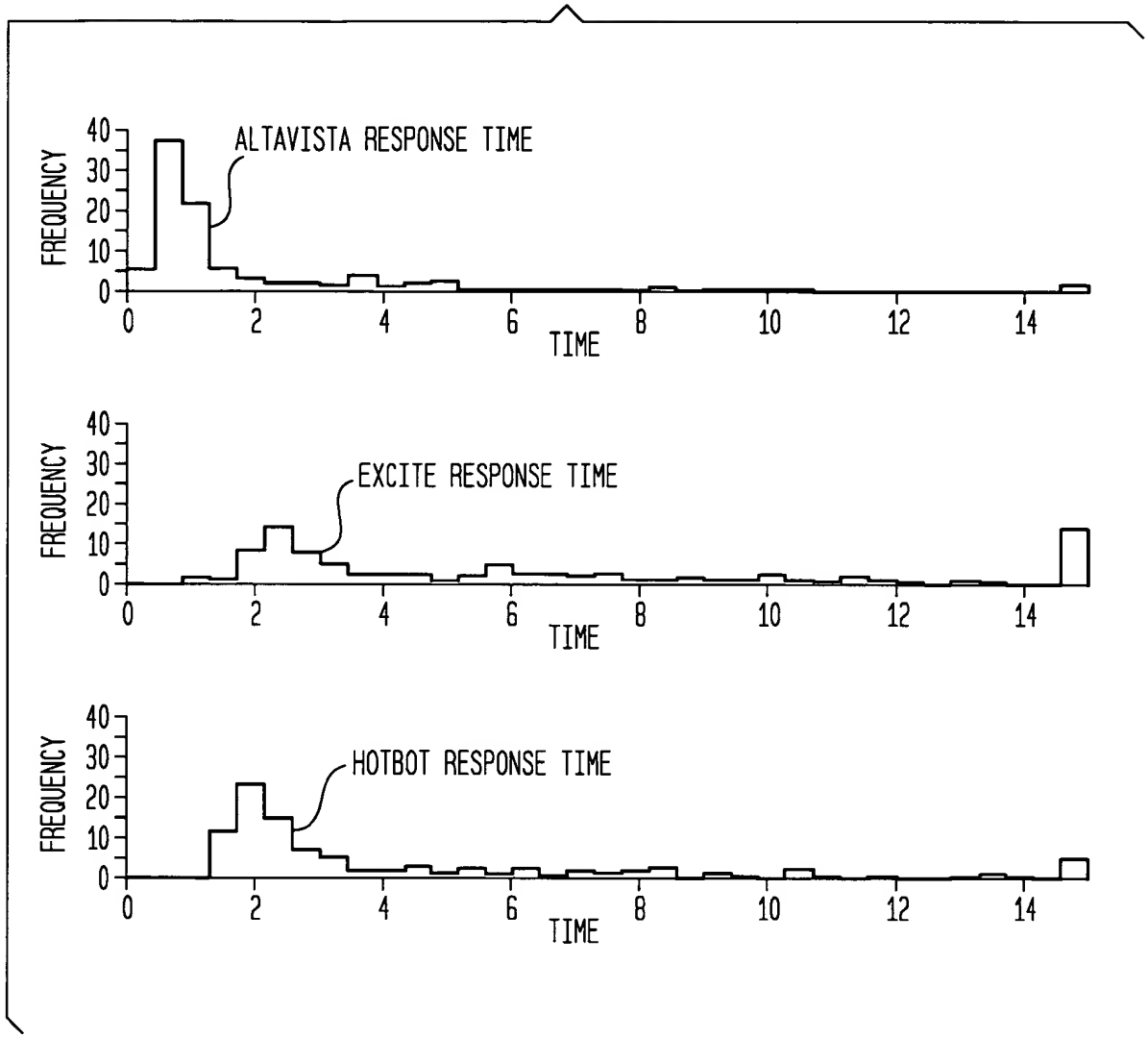

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FIG. 34

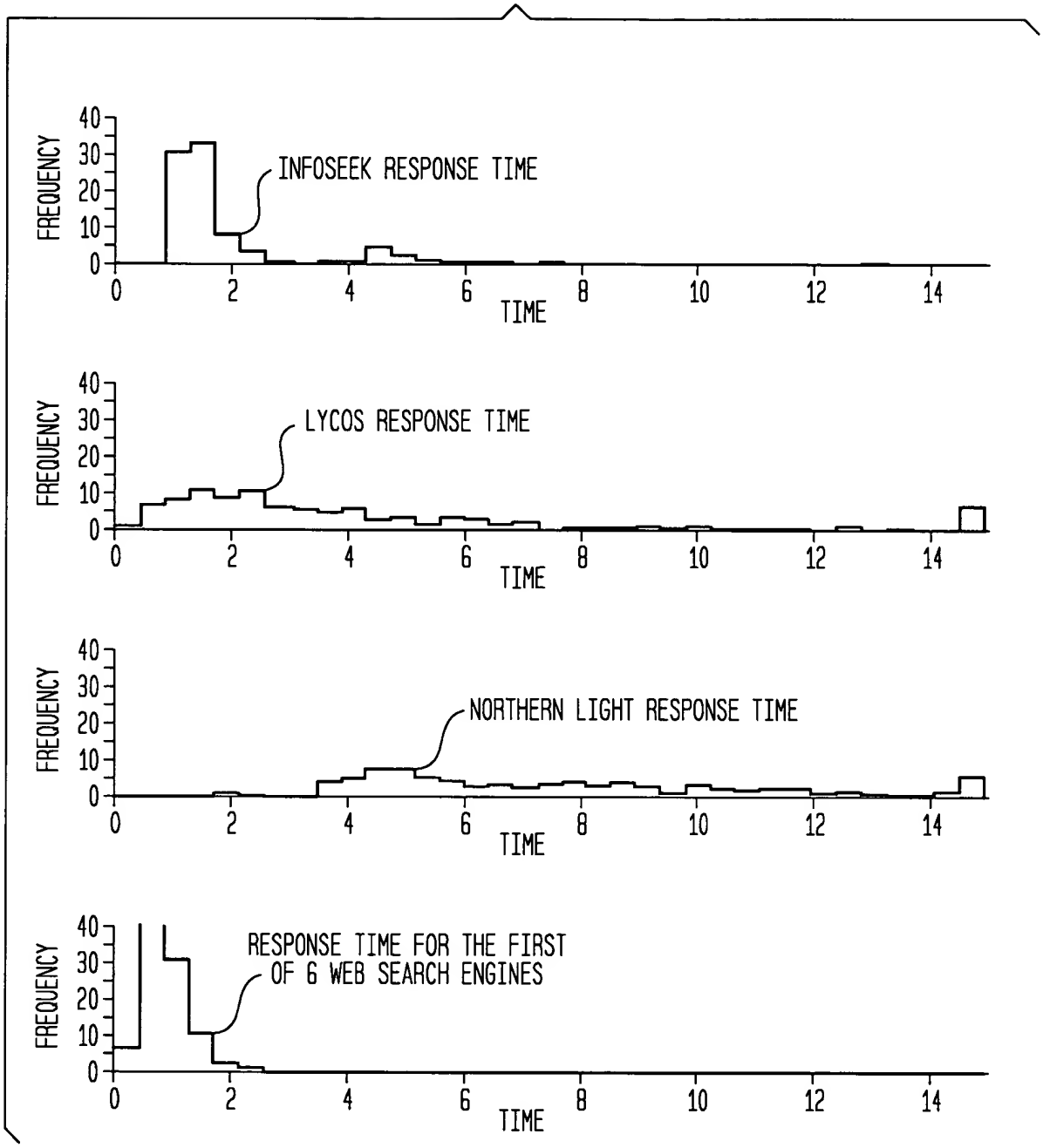

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FIG. 35

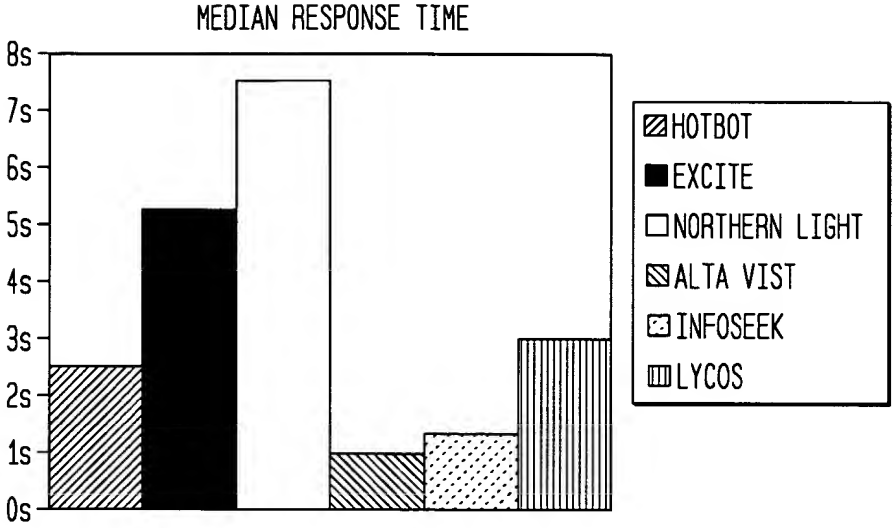

FIG. 36

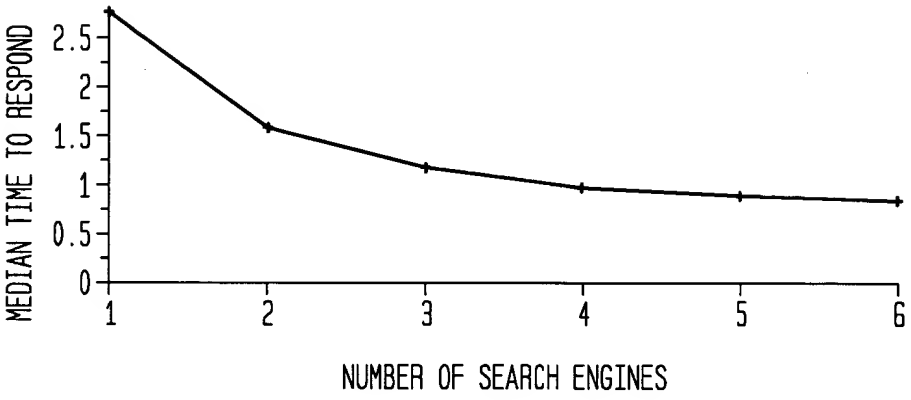

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FIG. 37

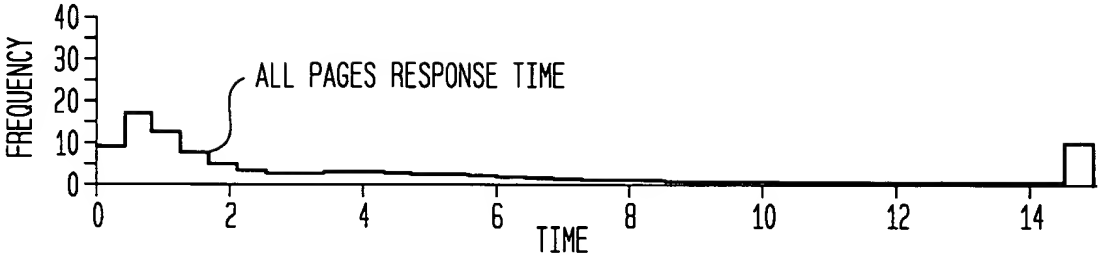

FIG. 38

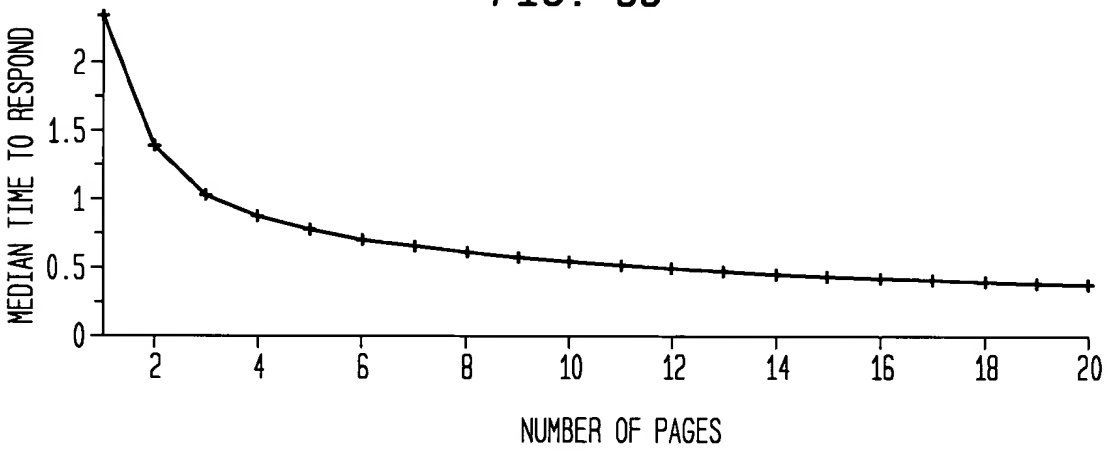
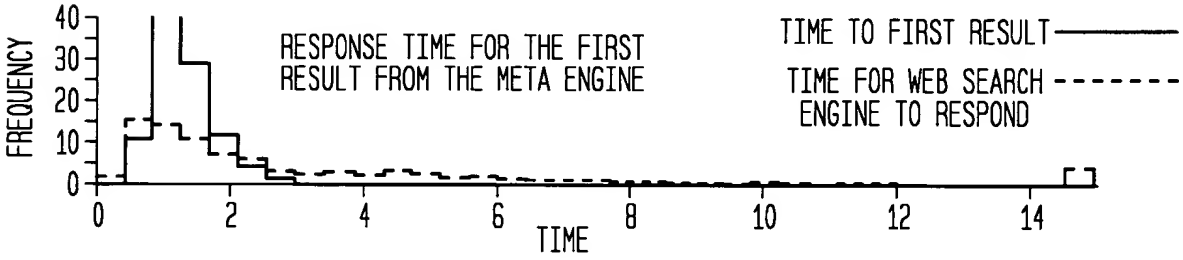
FIG. 39